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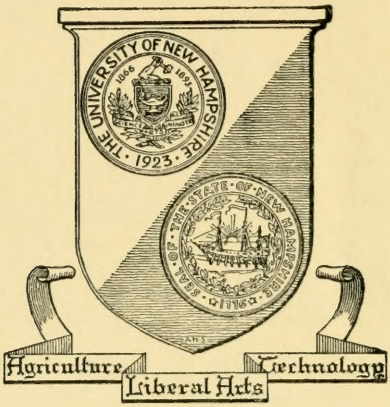

The University
of
New Hampshire

Bulletin 334 July, 1941

NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Results of Seed Tests for 1941

MADE FOR THE
STATE DEPARTMENT OF AGRICULTURE

By BESSIE G. SANBORN

THE UNIVERSITY OF NEW HAMPSHIRE
DURHAM, N. H.

RESULTS OF SEED TESTS

Made July 1, 1940, to June 30, 1941

This report contains the results of the inspection for the State Department of Agriculture of four hundred and sixteen official samples collected throughout the State during the period from July 1, 1940, to June 30, 1941. Each of these samples was analyzed and the results were mailed to the retail dealers concerned. In addition to these official samples, one hundred and fifty-eight private samples were analyzed, making a total of five hundred and seventy-four samples inspected.*

Comparison of Seeds for Ten Years

	Number of Samples Tested	*Below in Purity*		*Below in Germination*	
		Number	*Per Cent*	*Number*	*Per cent*
1932	357	23	6.4	46	12.8
1933	384	30	7.8	37	9.6
1934	412	22	5.3	62	15.0
1935	391	28	7.1	74	18.9
1936	430	34	7.9	84	19.5
1937	439	31	7.0	70	15.9
1938	392	60	15.0	75	19.1
1939	426	32	7.5	100	23.5
1940	408	33	8.0	66	16.1
1941	416	29	6.9	46	11.0

FREE TESTING OF SEEDS

Because of the increasingly large number of "private samples" sent to the laboratory for testing during recent years and because there are no specific funds or appropriations available to finance this particular type of service, we have been forced to put some limit on free testing for individuals and organizations.

For the present, the Seed Testing Laboratory will allow six free tests, in a given year, to any resident organization or citizen of New Hampshire. These seeds must be received in the laboratory during the months of *January* or *February*. This number of samples, not including mixtures, may be analyzed either for purity or for germination, or three samples for both purity and germination, free of charge. For numbers in excess of six, a charge will be made for labor and consumable supplies only, the cost depending on the type of sample, according to the following schedule:

Germination tests of all crop seeds, including timothy grass, clovers and alfalfa, 25 cents each;

Germination tests of all grasses except timothy, 50 cents each;

Germination tests of mixtures, 25 cents for each kind of seed present.

*Miss Beatrice Sanborn and Miss Florence Bauckman assisted with the purity and germination tests herein reported. For their services the writer wishes to express grateful acknowledgment.

Purity analyses of cereals, like corn and oats, 50 cents each; and of timothy grass, 75 cents each;

Purity analyses of all other kinds of crop seeds, except grasses, 75 cents each;

Purity analyses of the smaller grass seeds and of all mixtures of not more than two kinds of agricultural seeds, $1.00 each;

All purity analyses of special mixtures, including those for lawn and pasture seeding, a charge sufficient to cover the actual cost of working the sample submitted for test, minimum charge of $1.25.

On account of "official" work, which begins in earnest the first of March and taxes all our resources, private samples either for free testing or otherwise cannot be handled later than February.

Samples of seed to be tested should be drawn in such a way as to be representative of the bulk lot from which they are taken, and should be addressed to the State Seed Testing Laboratory, Nesmith Hall, Durham, New Hampshire. Directions for sampling may be obtained from the laboratory on request. Fees must be received before laboratory reports will be sent out. A given seed company will be entitled to six private tests without charge, not six from each branch store. Such private tests cannot be declared as state "official tests" unless drawn by a representative of the department of agriculture, as provided in Chapter 182 of the Public Laws.

N. H. EXPERIMENT STATION
SEED INSPECTION, 1941

Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaranteed	Found	Guaranteed
Ayers & Jenkins Co., Rochester	12077	Alsike Clover, 2853	1941	S	98.10	S	74
	12076	Red Clover, Medium	....	S	98.34	S	88
	12078	Redtop, Fancy, 3324	1941	S	92.20	S	90
	12079	Timothy, Liberty, 5658	1941	S	99.60	S	90
R. J. Barbin & Co., Berlin	12236	Alsike Clover, 8806	1941	S	98.17	S	71
	12235	Hungarian Millet, 8375	1940	S	98.38	S	91
	12234	Japanese Millet, JA 41	1941	S	97.63	74.5	85
	12223	Red Clover, 8619	1940	S	99.25	S	85
	12237	Redtop, Fancy, 8325	1941	S	93.00	S	92
	12238	Timothy, Pine Tree, 66928	1941	S	99.60	S	90
	12239	Timothy, 8169	1941	S	99.60	S	90
L. C. Berry, Lebanon	12249	Timothy, Arco, 10-301	1941	S	99.60	S	90
J. P. Boucher & Son, Groveton	12242	Millet, Hungarian, 5770	1940	S	99	S	85
	12245	Millet, Japanese, 5737	1940	S	98	S	88
	12244	Redtop, Ace, Fancy, 041513	1940	S	92.30	S	93
W. B. Brown, Ashland	12161	Timothy, Pan American, 756	1940	S	99.61	S	90
V. H. Cassidy, Londonderry	12083	Alsike Clover, Ace, 21378	1939	A	95.05	S	80
	12084	Red Clover, Ace, Medium, 84451	1940	S	98.34	S	88
	12085	Redtop, Fancy, 41720	1940	S	95.10	S	91
Central Garage & Supply Co., Tilton	12115	Alsike Clover, Imperator, 1594	1940	S	96.10	S	80
	12113	Oats, Victory	1941	S	96.50	S	95
	12114	Red Clover, Imperator, 5925	1941	S	98.08	S	85
	12112	Timothy, Imperator, 781	1941	A	99.35	S	85
Central Grain Store, Franklin	12111	Timothy, Arco, 10-295	1941	S	99.60	S	90
Chase Grain Mill, Plymouth	12160	Alsike Clover, Liberty, 2853	1941	S	98.10	S	74
	12166	Millet, Hungarian, 5838	1941	97.24	98.40	S	87
	12165	Millet, Japanese, 5447	1941	S	98	S	90
	12164	Red Clover, Liberty, Medium, 3037	1941	S	99.52	S	84
	12163	Redtop, Fancy, 2262	1941	93.24	96.00	S	90
	12162	Timothy, Liberty, 5684	1941	S	99.80	S	90

Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaranteed	Found	Guaranteed
Checkerboard Feed Store, ... Concord	12109	Red Clover, Medium, 2430	1939	S	99.32	S	84
	12108	Redtop, 41588	1939	S	92.10	S	90
Checkerboard Feed Store, ... Exeter	12039	Millet, Hungarian, 9089	1940	S	98.85	S	80
	12053	Oats, No. 1, Victory, 44-46 XX ..	1941	S	98.80	S	95
	12038	Red Clover, Pan American, Medium, 5941	1940	S	99.52	S	92
	12050	Timothy, Pine Tree, 66900	1941	S	99.65	S	92
Checkerboard Feed Store, ... Lebanon	12250	Oats, No. 4, Victory, 44-46	1941	S	98.84	S	91
Checkerboard Feed Store, ... Manchester	12080	Peas, Canada Field, 085384	1941	S	99.50	S	93
Checkerboard Feed Store, ... Meredith	12158	Redtop, Fancy, 4317	1940	S	92.31	S	90
Checkerboard Feed Store, ... Milford	12090	Redtop, Fancy, Pine Tree, 41836	1941	S	95.50	S	91
	12091	Soybeans, Manchu, 84423	1941	S	99.50	S	85
Checkerboard Feed Store, ... Nashua	12008	Alfalfa, Fancy Grade, Grimm, B 2121	1941	S	99.50	A	60
	12021	Alsike Clover, Pan American, 1577	1940	S	99.10	S	78
	12005	Oats, No. 2, Victory, 44-46 XX ..	1941	S	99.20	S	95
	12018	Red Clover	1940	S	99.50	S	86
	12023	Redtop, Fancy	1941	A	92.30	S	90
	12019	Sudan Grass, 9712	1939	S	98.18	S	90
	12017	Timothy, 1728	1940	A	99.50	S	90
Cheshire County Farmers Exch., Inc. Keene	12303	Alsike Clover, 21781	1941	A	93.50	S	81
	12305	Red Clover, N-1688	....	S	96.20	S	93
	12306	Redtop, O41559, XX	1941	S	86.00	S	90
	12304	Timothy, Special, 6630	1941	S	97.85	S	88
Cheshire County Grain Company, Keene	12314	Millet, Hungarian, 38-148	1940	S	98.00	S	80
	12309	Red Clover, Pan American, Domestic, 5882	1939	S	99.41	S	82
	12310	Timothy, Pan American, 774	1941	S	99.75	53	90
F. W. Clark, ... Wilton	12097	Millet, Japanese, 81193	1938	S	97.60	71	82
	12089	Red Clover, Medium, 24144	1939	S	98.52	S	83
	12088	Timothy, Pine Tree, 66482	1939	S	99.65	S	90
Edgar T. Clement, ... Lisbon	12254	Oats, 40 lb., Sunshine Seed Oats	1941	S	98.00	S	95
	12252	Redtop, Fancy, XX, 41897	1941	A	87.10	S	91
	12253	Timothy, Arco, 10-305	1941	S	99.60	S	90

Colebrook Feed Company, ... Colebrook	12268	Alfalfa, Grimm, Arco, 28-287 ...	1941	S	99.26	S	74
	12261	Alsike Clover, Pine Tree, 21-5133	1940	S	98.61	A	76
	12263	Alsike Clover, Pan American, 1602	1941	S	98.38	S	80
	12264	Alsike Clover, 4618	1941	S	98.16	S	82
	12266	Millet, Hungarian, 9163	1940	S	98.42	S	87
	12265	Red Clover, Pan American, 5965	1941	S	99.14	S	83
	12267	Redtop, 8180	1941	92.59	95.00	S	90
	12262	Timothy, Pan American, 792 ...	1941	S	99.70	S	94
G. G. Cummings, ... Bristol	12126	Millet, Hungarian, 8355	1939	S	98.74	S	85
	12127	Millet, Japanese, 08155	1939	97.15	98.00	81.5	90
	12125	Red Clover, Ace, Medium, 24664	1941	S	98.44	S	90
	12128	Timothy, Pine Tree, 66944	1941	S	99.60	S	92
G. B. Currier Company, ... Colebrook	12184	Alsike Clover, 25-229	1940	S	98.82	S	86
	12168	Red Clover, Medium, 15-305	1940	S	99.06	S	88
	12185	Redtop, 30-105	1941	S	95.00	S	90
	12178	Soybeans, Wilson, 21762	1940	S	98.00	S	90
G. B. Currier Company, ... North Stratford	12182	Alsike Clover, 25-275	1941	S	98.00	A	78
	12179	Barley, No. 3, Fancy Trebi, 6-rowed	1941	S	96.00	S	92
	12181	Barley, Smooth Awn, 35-282	1941	S	98.50	S	88
	12180	Millet, Japanese, 38-200	1941	94.66	97.24	S	77
	12183	Oats, Mammoth Cluster, 162	1941	S	99.75	S	95
	12167	Red Clover, Anchor, Medium, 15-344	1941	S	99.60	S	85
Delaware Feed Store, ... Claremont	12284	Millet, Hungarian, J 6-2141	1940	A	98.42	S	85
Depot Store, ... Littleton	12173	Alsike Clover, Herald	....	S	96.10	S	80
	12171	Red Clover, Herald, Medium	1941	S	98.08	S	84
	12172	Redtop, X, 137	1941	S	98.45	S	92
	12174	Redtop, 4358	1941	S	95.60	S	94
	12170	Timothy, Herald, 780	1941	S	99.00	A	80
Dover Grain Company, ... Dover	11974	Alsike Clover, Liberty, 5348 ...	1941	S	98.50	81.5	90
	11975	Millet, Hungarian, 5838	1941	S	98.40	S	87
	11981	Millet, Hungarian, 7182	1941	S	99.08	S	65
	11976	Millet, Japanese, 1428-A	1941	S	98.14	78.5	88
	11972	Red Clover, Liberty, Medium, 3047	1941	S	99.80	S	92
	11971	Redtop, Fancy, 2263	1941	S	94.20	S	92
	11968	Timothy, Liberty, 5401	1941	S	99.70	S	77
	11982	Timothy, Liberty, 5795	1941	S	99.80	S	90
S. A. Dow & Son, ... North Hampton	12003	Oats, Wirthmore Brand, Victory No. 2	1941	S	96.50	S	95
	12011	Red Clover, Pan American, Medium, 5883	1939	S	99.45	S	92

A = Above. S = Satisfactory. * As stated on tag accompanying seed.

Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaranteed	Found	Guaranteed
	12020	Redtop, Pan American, 4313	1939	A	92.13	S	90
	12016	Timothy, Pan American, 783	1941	S	99.70	S	91
W. E. Dunbar & Sons, ... Manchester	11953	Alsike Clover	....	S	98.00	S	90
Eastern States Farmers' Exch., .. Concord	11938	Alfalfa, Hardy Common, 789	1940	S	99.40	S	67
	11959	Alfalfa, Grimm, 803	1940	S	99.50	S	60
	11950	Hayland Mixture No. 3, Eastern States, 818	1940	S	99.35	S	82
Eastern States Farmers' Exch., .. Dover	12036	Alfalfa, Variegated, 805	1940	S	99.50	S	57
	12037	Bluegrass, Kentucky, 2381	1940	S	90.00	76	90
	12033	Millet, Hungarian, 832	1940	S	98.80	S	84
	12035	Ladino Clover, 801	1940	S	99.50	S	55
	12031	Meadow Pasture Mixture C, 822 .	1940	S	97.41	S	83
	12032	Meadow Pasture Mixture A, 820 .	1940	S	96.20	S	83
	12044	Meadow Pasture Mixture B, 821 .	1940	S	97.45	S	84
	12034	Orchard Grass, 751	1940	S	90.00	S	90
Eastern States Farmers' Exch., .. Manchester	11909	Alsike Clover, Eastern States, 800	1940	S	99.00	S	75
	11901	Hayland Mixture No. 4, Eastern States, 819	1940	S	99.38	S	76
	11902	Hayland Mixture No. 2, Eastern States, 817	1940	S	98.91	S	86
	11903	Hayland Mixture No. 1, Eastern States, 816	1940	S	99.28	S	85
	11900	Millet, Japanese, Eastern States, 846	1940	S	99.00	S	85
	11913	Oats, Selected, 3291	1940	S	98.00	S	92
	11914	Oats, Upright, 1801	1940	S	99.20	S	95
	11908	Rape, Dwarf Essex, 795	1940	S	99.25	S	92
	11910	Red Clover, Medium, Eastern States, 788	1940	S	99.40	S	85
	11907	Redtop, Fancy Solid	1940	S	97.00	S	92
	11912	Soybeans, Dunfield, 813	1940	S	99.25	61.5	85
	11911	Timothy, Eastern States, 786 ...	1940	S	99.55	S	90
	11899	White Clover, White Dutch, Eastern States, 814	1940	S	99.00	S	87
Eastern States Farmers' Exch., .. Woodsville	12260	Timothy, Eastern States, 835	1940	S	99.55	S	90
Farmers Feed & Supply Company, Franklin	12110	Timothy, 10-229	1940	S	99.60	S	92

Farmers Feed & Supply Company, Lancaster	12175	Barley, Six-row, 8263	1939	S	99.50	S	90
	12177	Barley, 35-280	1941	S	98.50	S	88
	12169	Millet, Hungarian, 38-168	1941	97.44	98.97	S	93
	12176	Millet, Japanese, 38-167	1941	S	98.53	S	88
Farmers Feed & Supply Company, Manchester	12022	Alsike Clover, Anchor, 25-262	1941	S	97.70	S	81
	12004	Oats, Overall	1941	S	96.00	S	95
	12014	Red Clover, Anchor, Medium, 15-339	1941	S	99.16	S	82
	12026	Redtop, 30-102	1941	A	92.00	S	90
	12006	Soybeans, Black Wilson, 42-155	1941	S	98.50	S	80
	12015	Timothy, Arco, 10-298	1941	S	99.60	S	90
Farmers Feed & Supply Company, North Haverhill	12251	Peas, Canada Field, 40-66	1941	S	98.50	S	90
Farmers Feed & Supply Company, Wilton	12095	Redtop, 30-91	1940	93.68	95.65	S	90
	12096	Timothy, Arco, 10-274	1941	S	99.60	S	90
Farm Service Company, Dover	11992	Alfalfa, Grimm, Certified Blue Tag, 28-228	1941	S	99.50	S	72
	11983	Alsike Clover, Arco, 25-270	1941	A	99.10	S	85
	11977	Millet, Hungarian, 38-192	1941	S	98	64	85
	11989	Millet, Japanese, 38-190	1941	S	97.00	S	85
	11987	Red Clover, 30-101	1941	S	99.25	S	81
	11985	Redtop, 30-101	1941	S	95.14	S	90
	11990	Rye, Spring, 85-97	1940	S	99.50	68	87
	11986	Soybeans, 42-137	1941	S	99.00	75.5	90
	11988	Timothy, Arco, 10-293	1941	S	99.60	S	92
Farm Service Company, Exeter	12045	Alfalfa, Grimm, Blue Tag, 28-250	1940	S	99.86	S	81
	12028	Millet, Hungarian, 38-142	1940	98.15	99.00	S	83
	12029	Oats, Alberta, Victory, 10199, P.G.	1941	S	97.50	S	96
Farm Service Company, Keene	12308	Alsike Clover, Fancy, 3936	1940	S	99.08	S	82
	12307	White Dutch Clover, Arco, 32-44	1940	S	98.25	S	80
Farm Service Company, Laconia	12135	Timothy, 7266	1940	S	99.65	S	91
Farm Service Company, Peterborough	12273	Alsike Clover, Pine Tree, 21696	1941	S	98.05	S	88
	12272	Millet, Hungarian, 83-6	1940	S	98.90	S	81
	12274	Millet, Hungarian, 8373	1941	S	98.40	S	84
	12271	Redtop, Solar, 8115	1940	92.26	94.46	S	90
	12270	Timothy, Arco, 10-293	1941	99.00	99.60	S	92
H. J. Follensbee, Bristol	12133	Alsike Clover, 21620	1940	S	98.35	82	95
	12134	Red Clover, Medium, 24-184	1941	S	97.26	76.5	96
	12132	Timothy, Pine Tree, 66946	1941	S	99.70	S	90
Eugene C. Foss Company, Rochester	12072	Millet, Hungarian, 9129	1941	98.59	99.46	S	85
	12073	Red Clover, Pan American Medium, 5944	1941	96.17	99.28	S	85
	12074	Redtop, Pan American, 4333	1941	S	92.80	S	92
	12075	Timothy, Pan American, 782	1940	S	99.70	S	91

A = Above. S = Satisfactory. * As stated on tag accompanying seed.

Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaranteed	Found	Guaranteed
Goodnow Brothers Company, East Jaffrey	12285	Millet, Japanese, 38-189	1941	S	98.61	71.5	87
C. J. Goss, Lakeport	12120	Redtop, Ace, 041557	1941	S	93.00	S	91
	12121	Soybeans, Black Wilson, 5751	1941	S	99.00	S	92
	12119	Timothy, Liberty, 5796	1941	S	99.70	S	90
Grafton County Feed Company, North Haverhill	12193	Barley, Pennant Brand, 6-row, 5-141	1941	S	98.50	S	95
	12194	Oats, Domestic, 027-141	1941	S	97.90	S	94
	12191	Red Clover, Medium, 15-349	1941	S	99.05	S	80
	12192	Soybeans	1941	S	99.00	S	94
James B. Griffin, Newmarket	12211	Millet, Hungarian, 84	1940	S	98.00	S	80
	12217	Millet, Japanese, 53	1940	96.72	98.27	81	95
	12213	Red Clover, Pan American, Medium, 5950	1940	97.90	99.25	S	80
	12214	Redtop, Pan American, 4340	1940	S	94.10	S	91
	12216	Sweet Clover, White Bloom	....	S	99.50	S	75
	12212	Timothy, Pan American, 772	1940	97.67	99.60	S	90
	12215	Timothy, 61	1940	S	99.50	S	87
Holbrook Grocery Company, Keene	12279	Alsike Clover, 21818	1941	S	98.50	S	80
	12280	Alsike Clover, Extra Fancy, White Mountain, 21815	1941	S	99.40	S	80
	12275	Chewings Fescue, 78.106	1941	S	98.00	S	90
	12278	Millet, Hungarian, 8380	1941	S	98.84	S	81
	12281	Ladino Clover, 19-110	1940	S	99.50	80.5	90
	12276	Redtop, White Mountain, 41939	1941	S	92.50	S	93
	12277	Timothy, Special, 66995	1941	A	97.75	S	85
Holbrook Grocery Company, Woodsville	12206	Alsike Clover, Extra Fancy, White Mountain, 21782	1941	S	96.05	A	71
	12205	Barley, Wisconsin 38 type, U.B. 3	1941	S	99.75	S	98
	12197	Bluegrass, Kentucky, 032955	1941	S	81.90	S	80
	12202	Millet, Hungarian, 8365	1940	S	98.06	S	86
	12207	Millet, Hungarian, 83-816	1939	S	99.62	S	85
	12200	Millet, Japanese, 81-23	1940	S	98.91	S	89
	12201	Red Clover, Medium, Extra Fancy, White Mountain	1939	A	98.00	S	91
	12204	Red Clover, Monadnock, Medium Red, 10122	1940	S	99.36	S	87
	12203	Redtop, Fancy, XX, 41897	1941	A	87.10	S	91
	12208	Rye, Spring, 18 D 345	1941	S	98.34	S	86
	12196	Timothy, Pine Tree, 66975	1941	S	99.70	S	90

	12198	Timothy, Monadnock, 66983	1941	S	99.60	S	90
	12199	Timothy, White Mountain, 66981	1941	S	99.70	S	90
E. C. & W. L. Hopkins, Inc., ... Greenfield	12289	Alsike Clover, Pine Tree, 21-548	1941	S	97.80	S	86
	12290	Millet, Hungarian, 83-9	1941	S	97.54	S	83
	12291	Millet, Japanese, 81-19	1941	A	98.30	S	85
	12288	Redtop, Pine Tree, 41-539	1941	S	96.60	S	91
	12287	Timothy, Pine Tree, 66-56	1939	S	99.60	73	93
C. D. Jefferson, ... Rochester	12107	Redtop, Pine Tree, 41879	....	S	95.00	S	90
J. Jones & Son, ... Alton	12062	Alsike Clover, Pan American, 1969	1937	97.08	98.30	56	80
	12064	Redtop, Fancy, 41537	1938	94.10	96.40	S	92
	12027	Timothy	1938	S	99.60	79	92
	12063	Timothy, Bison, 69875	1937	A	98.10	65	90
Kashulines Grain Company, ... Nashua	12010	Alfalfa, Grimm, 5812	1941	S	99.80	S	79
	12009	Timothy, Arco, 10-243	1940	S	99.60	S	90
E. J. Keegan & Company, ... Franklin	12144	Millet, Hungarian, 9089	1939	S	98.85	76	87
	12143	Millet, Japanese, 9156	1941	S	97.10	52.5	85
	12146	Redtop, Pan American, 4345	1941	S	94.30	S	92
	12145	Timothy, Pan American, 623 ...	1938	S	99.65	84.5	93
John P. Kimball, ... Exeter	12052	Alsike Clover, 28410	1940	S	98.50	58	89
	12065	Redtop, 98539	1940	S	98.20	S	92
	12048	Timothy, 98259	1941	S	99.58	S	90
J. H. Kiniry, ... Claremont	12299	Red Clover, Special, 24285	1939	A	86.18	S	85
	12298	Redtop, 41908	1941	S	87	S	90
	12297	Timothy, 6630	1941	S	97.85	S	88
Lisbon Grain & Coal Co., ... Lisbon	12248	Millet, Hungarian, 5838	1941	S	98.40	S	87
	12246	Millet, Japanese, 1428 A	1941	A	98.14	S	88
	12255	Timothy, Liberty, 5684	1941	S	99.80	S	90
H. P. Maxfield, ... Pittsfield	12055	Alsike Clover, Pan American, 1583	1941	S	98.64	S	82
	12056	Millet, Hungarian, 83-58	1936	S	99.08	33.5	85
	12030	Redtop, Pan American, 4334 ...	1940	93.48	95.02	S	90
	12057	Redtop, Pan American, 4296	1938	S	95.86	S	90
	12054	Timothy, Pan American, 756 ...	1940	S	99.61	74.5	90
	12058	Timothy, B-900	1936	S	99.60	3.0	92
	12059	Timothy, Liberty, 5681	1935	S	99.65	11.0	92
	12060	Timothy, Pan American, 782	1941	S	99.70	S	91
Meredith Grain Company, ... Meredith	12136	Alsike Clover, Pan American, 1596	1941	S	98.18	S	80
	12123	Millet, Japanese, 9159	1941	87.24	97.10	S	85
	12122	Red Clover, Medium, 5901	1941	S	99.25	A	79

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Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaranteed	Found	Guaranteed
	12157	Red Clover, Pan American, Medium, 5952	1941	S	99.27	S	80
	12159	Redtop, Pan American, 4365	1941	S	96.60	S	91
	12124	Timothy, Pan American, 786	1941	S	99.60	S	90
Merrimack Farmers' Exch., Inc., Concord	11946	Alfalfa, Grimm, Pine Tree, 27506	1941	S	99.56	S	78
	11943	Alsike Clover, Pine Tree, 21-512	1940	S	98.85	63.5	92
	11942	Millet, Hungarian, 8375	1940	S	98.38	S	81
	11951	Millet, Japanese, Wisconsin, 08167	1940	S	99.60	S	92
	11945	Lawn Seed, Merrimack	....	S	98.00	81.5	95
	11949	Rape, Winter, 20341	1940	S	99.00	S	90
	11958	Red Clover, Montana, Medium, 24-5105	1940	S	99.00	S	72
	11963	Red Clover, 24-5146	1940	S	99.50	S	75
	11939	Redtop, Ace, 41832	1940	S	92.90	S	90
	11966	Redtop, Pine Tree, 41-58	1940	S	95.30	S	93
	11967	Redtop, Ace, Fancy, 41900	1941	S	92.60	S	91
	11944	Ryegrass, Perennial, 038196	1941	S	99.68	S	97
	11941	Soybeans, Manchu type, 084452	1940	S	99.40	S	88
	11964	Soybeans, Manchu type, 84425	1941	S	99.50	S	90
	11965	Sudan Grass, 98233	1941	S	98.25	S	85
	11960	Timothy, Pine Tree, 66993	1941	S	99.65	S	90
	11961	Timothy, Pine Tree, 66-54	1940	S	99.70	S	90
	11962	Timothy, Pine Tree, 66984	1941	S	99.65	S	91
	11947	Vetch, Winter, 99203	1941	S	99.29	S	84
Merrimack Farmers' Exch., Inc., Epsom	12069	Alsike Clover, 4464	1941	S	99.10	S	83
	12068	Red Clover, Medium, 9756	1941	S	99.25	S	86
Merrimack Farmers' Exch., Inc., Exeter	12046	Bluegrass, Kentucky, 032960	1941	S	86.50	S	81
	12051	Oats, Victory	....	S	95.00	S	95
Merrimack Farmers' Exch., Inc., Laconia	12139	Millet, Japanese, 08178	1941	S	98.18	S	82
	12141	Red Clover, Pine Tree, Medium, 24752	1941	S	99.50	S	86
	12142	Rye, Spring, 22005	1941	S	96.20	S	80
	12140	Wheat, Spring, Marquis, 07598	1940	S	98.87	S	85
Merrimack Farmers' Exch., Inc., Manchester	12102	Peas, Canada Field, 085343	1940	S	99.50	S	90
	12070	Soybeans, Wilson type, 84422	1940	S	98.78	S	74
	12082	Vetch, Winter, 99198	1940	S	99.50	S	80
	12071	Wheat, Winter, 75-35	1940	S	99.50	S	92
	12081	Wheat, Spring, Marquis type, 75192	1939	S	99.00	S	90
Merrimack Farmers' Exch., Inc., Milford	12094	Alsike Clover, Pine Tree, 21812	1941	S	98.60	S	82
	12092	Soybeans, Wilson, 20727	1940	S	98.00	75	90
	12093	Red Top, Ace, Fancy, 41925	1941	S	93.50	S	91

Merrimack Farmers' Exch., Inc., Peterborough	12286	Buckwheat, Japanese, 86146	1941	S	99.64	S	96
Merrimack Farmers' Exch., Inc., Pittsfield	12067	Barley, No. 1, Fancy	1941	S	96.00	S	92
	12066	Timothy, 5519	1941	S	99.60	S	90
J. J. Moreau & Son, ... Manchester	11948	Alsike Clover, Pan American, 1583	1940	S	98.64	S	80
	11957	Barley, Wisconsin No. 38, 8348 .	1941	S	99.48	S	95
	11934	Chewings Fescue, 2604	1939	S	98.21	4.0	85
	11933	Millet, Hungarian, 9158	1941	S	97.96	S	80
	11935	Millet, Hungarian, 9129	1940	S	99.46	66.5	85
	11936	Millet, Japanese, 81205	1940	S	99.35	S	88
	11937	Millet, Japanese, 9156	1941	90.46	97.10	S	85
	11952	Oats, Swedish Type, 8350	1941	S	99.40	S	90
	11954	Red Clover, Pan American, Medium, 5944	1941	S	99.28	S	85
	11932	Redtop, Pan American, 4343 ...	1941	S	94.30	S	92
	11955	Timothy, Pan American, 782 ...	1941	S	99.70	S	91
	11956	Wheat, Spring, Marquis type, 8340	1940	S	99.00	74	96
Nelson Warner Company, ... Charlestown	12293	Millet, Japanese, JC 41	1941	S	95.72	85	94
	12292	Oats, Victory, Alberta, 4266	1941	S	96.50	S	95
	12295	Red Clover, Medium, Liberty, 3331	1941	A	99.00	S	85
	12294	Redtop, Fancy, 3324	1941	S	92.20	S	90
	12296	Timothy, Liberty, 5649	1941	S	99.70	S	90
Newport Grain Company, ... Newport	12301	Barley, Wisconsin 38, 6-row, 5860	1941	S	99.00	A	90
	12302	Millet, Hungarian, 51	1941	S	99.62	S	88
	12300	Redtop, 90-1	1941	A	91.00	S	85
Pittsfield Feed & Grain Co., ... Pittsfield	12042	Alsike Clover, 25-299	1940	S	98.82	S	86
	12040	Millet, Hungarian, 38-148	1940	S	98.00	S	80
	12043	Millet, Japanese, 38-157	1940	A	97.50	S	88
	12041	Red Clover, Medium, 15-299	1940	97.05	99.04	S	80
	12061	Timothy, Pan American, 774	1941	S	99.75	77.5	90
W. N. Potter Grain Stores, Inc., Winchester	12282	Millet, Japanese, 1425-A	1941	S	98.60	S	92
	12283	Timothy, Liberty, 5754	1941	S	99.70	S	90
A. M. Rand, ... Plymouth	12148	Millet, Japanese	1941	S	98.00	82.5	90
	12147	Red Clover, Choice, 24538	1941	A	98.70	79.5	95
	12150	Redtop, 41822	1941	S	90.90	S	90
	12149	Timothy, 7427	1941	S	99.65	S	90
Rand, Ball & King, ... Claremont	12311	Millet, Japanese, 2419	1940	S	99.76	S	91
	12313	Red Clover, Medium, 3068	1941	S	99.50	S	87
	12312	Timothy, Liberty, 5644	1940	S	99.80	S	90
Rochester Grain Company, ... Rochester	12024	Alsike Clover, Liberty, 2883	1941	S	98.45	S	71
	12007	Barley, Wisconsin 38, 6-row, 5-860	1941	S	99.00	A	90
	12013	Millet, Hungarian, 5318	1940	S	99.18	S	88

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Name and Address of Dealer	Sample No.	Kind of Seed	Date Tested*	Purity		Germination	
				Found	Guaranteed	Found	Guaranteed
	12012	Red Clover, Liberty, Medium, 2533	1940	99.02	99.80	S	78
	12025	Red Top, Fancy, 2204	1940	S	93.84	S	90
Rollins Grain Company, ... New Durham	12104	Alsike Clover, Pine Tree, 21753 .	1941	S	98.10	S	80
	12105	Millet, Hungarian, 5770	1940	S	99.00	S	85
	12106	Oats, Delaware Seed, 136	1941	S	99.00	S	95
	12103	Timothy, 8519	1941	S	99.65	80.5	90
H. C. Sanborn, ... Laconia	12130	Red Clover, Ace, Medium	....	S	98.34	S	88
	12129	Redtop, Pine Tree, Fancy, 41720	1940	S	95.10	S	91
	12131	Timothy, Pine Tree	....	S	99.65	S	90
J. Herbert Seavey, ... Dover	11973	Alsike Clover, Liberty, 7285	1939	S	97.50	S	86
	11979	Millet, Hungarian, 2606	1940	S	98.02	S	90
	11980	Millet, Japanese, 5447	1940	S	98.00	S	90
	11984	Oats, Victory, C-5912	1940	S	99.75	S	96
	11978	Rape, 4461	1940	S	99.51	S	95
	11970	Red Clover, Liberty, Medium, 2491	1940	S	99.04	A	78
	11969	Timothy, Liberty, 5401	1940	S	99.70	S	90
S. A. Schurman & Son, ... Portsmouth	11998	Barley, Alpha, 35-275	1941	S	98.05	S	90
	11999	Bluegrass, Kentucky, 34-74	1941	S	85.43	S	80
	11994	Millet, Hungarian, 38-163	1941	A	98.00	S	88
	12001	Millet, Japanese, 37-167	1941	S	98.53	S	88
	12000	Ladino Clover, 100-301	1941	94.69	97.36	S	75
	12002	Peas, Canada Field, 40-66	1941	S	98.50	S	90
	11997	Red Clover, Anchor, Medium, 15-341	1941	S	99.30	S	82
	11991	Redtop, 30-105	1941	A	95.00	S	90
	11996	Ryegrass, Common, 39-57	1941	A	99.20	S	90
	11993	Soybeans, Manchu, 42-139	1941	S	99.50	68	90
	11995	Timothy, Arco, 10-291	1941	S	99.70	S	90
Frank Smith Company, ... Lancaster	12243	Alsike Clover, Pan American, 1577	1940	S	99.10	S	78
	12240	Red Clover, Pine Tree, 24-172 ...	1938	S	98.30	72	84
	12241	Redtop, Pine Tree, Fancy, 41580	1938	S	95.80	S	92
	12269	Timothy, Pine Tree, 66-5114	1941	S	99.70	76	94
F. B. Spaulding Co., ... Lancaster	12231	Alsike Clover, Ace, 21 x 41	1941	S	96.10	75.5	90
	12229	Barley, Alpha, 35-277	1941	S	98.00	S	85
	12233	Millet, Hungarian, 38-163	1941	A	98.00	S	88
	12232	Millet, Japanese, 38-197	1941	S	98.20	S	87
	12230	Timothy, Arco, 10-307	1941	S	99.60	S	90

F. B. Spaulding Co., Whitefield	12224	Millet, Hungarian, 83-7	1941	S	98.14	S	85
	12226	Millet, Japanese, 81-9	1941	S	98.20	S	78
	12225	Oats, A-138, O. & W.	1941	S	99.00	S	95
	12227	Red Clover, Ace, 24x425	1941	S	98.56	S	89
	12228	Timothy, Arco, 10-308	1941	S	99.60	S	90
C. P. Stevens Company, Franklin	12151	Millet, Japanese, 81-15	1940	97.77	99.76	86.5	95
	12156	Rape, Dwarf Essex, 95-17	1941	S	99.90	S	94
	12153	Redtop, Ace, 41-461	1941	90.61	92.86	S	90
	12154	Timothy, 66-540	1940	S	98.40	59	85
	12155	Timothy, 66-563	1941	S	99.64	S	94
	12152	White Clover, 26-318	1941	S	98.45	S	75
C. P. Stevens Company, Plymouth	12116	Millet, Japanese	1941	97.99	....	S	79
	12117	Oats, Upright, 73-15	1940	S	99.50	S	97
	12118	Red Clover, Medium	1941	99.02	....	S	77.5
The Stymest Company, Bath	12258	Redtop, Fancy, 3324	1941	S	92.20	S	90
	12259	Timothy, Liberty, 5653	1941	S	99.60	S	90
Sunshine Feed Store, Manchester	12100	Alsike Clover, Arco, 25-74	1939	S	97.65	68	80
	12087	Oats, Anchor, 36-142	1941	S	98.00	S	92
	12099	Red Clover, Medium, 15-305	1940	S	99.25	S	86
	12098	Redtop, 30-105	1941	S	95.00	S	90
	12086	Soybeans, Black Wilson, 42-159	1941	98.42	99.20	S	86
	12101	Timothy, Arco, 10-308	1941	S	99.60	S	90
Sunshine Feed Store, West Lebanon	12190	Alsike Clover, 25-271	1941	S	98.00	S	85
	12189	Barley, Wisconsin 38, 35-284	1941	S	98.50	S	90
	12221	Buckwheat, Silverhull, 68-86	1941	S	99.00	S	90
	12218	Oats, Victory, 36-144	1941	S	98.10	S	92
	12187	Red Clover, Mammoth	1940	S	99.00	S	80
	12188	Redtop, 30-91	1940	91.62	95.65	S	90
	12219	Rye, Spring, 85-118	1941	S	97.50	S	88
	12186	Sudan Grass, 70-65	1940	A	97.57	S	92
	12195	Sudan Grass, 70-81	1941	S	98.64	S	85
	12222	Sweet Clover, 29-103	1941	A	96.84	S	79
	12220	Timothy, Arco, 10-299	1941	S	99.60	S	90
F. B. Swain, Winnisquam	12137	Alsike Clover, Pine Tree, 21482	1933	A	94.45	S	85
	12138	Timothy, Pine Tree, 66674	1939	S	99.65	S	93
Thompson & Hoague Company, Concord	11940	Timothy, Pine Tree	1940	S	99.80	S	90
A. J. Turcotte, Newmarket	12209	Alsike Clover, Pine Tree, 21758	1941	S	98.55	S	80
	12210	Millet, Hungarian, 8378	1941	A	98.35	S	84
John B. Varick Company, Manchester	11923	Alfalfa, Grimm, Pine Tree, 27431	1941	S	99.70	S	74
	11924	Alfalfa, Grimm, Pine Tree, 27401	1940	S	99.18	S	72
	11922	Alsike Clover, Pine Tree, 21758	1941	S	98.55	S	80

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				Found	Guaranteed	Found	Guaranteed
	11930	Barley, Wisconsin No. 38, 6-row, 071787	1941	S	99.80	S	96
	11916	Bent Grass, Astoria, 034575	1941	96.08	98.16	S	91
	11925	Bluegrass, Kentucky, 032956	1941	S	87.50	S	80
	11915	Millet, Hungarian, 8378	1941	S	98.35	S	84
	11921	Millet, Japanese, Iowa, 08176	1941	S	98.66	S	85
	11931	Oats, Heavy N-W Seed, 073121	1941	S	98.25	S	95
	11928	Peas, Canada Field, 85519	1941	S	99.50	S	93
	11920	Red Clover, Ace, Medium, 24664	1941	S	98.44	S	90
	11918	Redtop, Ace, Fancy, 41878	1941	S	92.00	S	91
	11919	Redtop, Illinois, Pine Tree, Fancy, 41879	1941	S	95.00	S	92
	11926	Rye, Spring, 07498	1941	S	99.24	S	94
	11927	Ryegrass, Domestic, 038180	1940	S	99.32	S	94
	11929	Soybeans, Black, 84424	1941	S	98.16	S	80
	11917	Sudan Grass, 098313	1941	S	98.38	S	85
	11904	Timothy, Pine Tree, 66845	1940	S	99.65	S	92
	11905	Timothy, Pine Tree, 66944	1941	S	99.60	S	92
	11906	Timothy, Pine Tree, 66946	1941	S	99.70	S	90
Woodsville Grain Company, Woodsville	12257	Millet, Hungarian, 9163	1941	97.45	98.42	S	87
	12247	Red Clover, Medium, 10127	1941	S	99.20	S	86
	12256	Timothy, Pan American, 791	1941	S	99.85	S	91
W. A. Young, Exeter	12049	Alsike Clover, 21534	1939	98.55	....	S	81
	12047	Redtop, 68-206	1940	S	96.65	S	92

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